

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE REMOVAL OF THE EXISTING FIBEROPTIC "RED SIGNAL AHEAD" SIGN, SIGN STRUCTURE AND REPLACING IT WITH A "SIGNAL AHEAD PREPARE TO STOP WHEN FLASHING" SIGN AND LED FLASHING YELLOW SIGNAL HEADS FOR SOUTHBOUND MD 140- (REISTERSTOWN ROAD) NORTH OF ENCHANTED HILLS ROAD/RITTERS LANE LOCATED IN BALTIMORE COUNTY.  
MD 140 IS ASSUMED TO RUN IN AN NORTH/SOUTH DIRECTION.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT:  
STANDARD NO. MD-104.00-30  
STANDARD NO. MD-104.37-01 (LEFT LANE CLOSURE)  
STANDARD NO. MD-104.38-01 (RIGHT LANE CLOSURE)  
STANDARD NO. MD-104.43-01 (SHOULDER WORK)  
OR OTHERS AS NECESSARY

PROJECT CONTACTS

THE CONTACT PERSONS FOR THE SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-2780  
  
MR. STEVE MARCISZEWSKI  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761

MS. SUE POPE  
DISTRICT UTILITY ENGINEER  
PHONE: (410) 321-2841  
  
MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERSTIONS DIVISION  
PHONE: (410) 787-7630

WMS # \_\_\_\_\_

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION.

ITEM NO.	QUANTITY	DESCRIPTION
9037	1 EA	[UPDATED] CABINET 'G' TYPE POLE MOUNTED WITH TWO CIRCUIT FLASHER AND SPECIAL RELAY PACKAGE
9571	50 SF	[UPDATED] SHEET ALUMINUM SIGN TO CONSIST OF: - 1 EACH W3-3(2) SIGN (120" X 60") - MAST ARM MOUNTED (DIAMOND GRADE MATERIAL FOR FLUORESCENT YELLOW BACKGROUND)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

"NONE"

EQUIPMENT LIST "B"

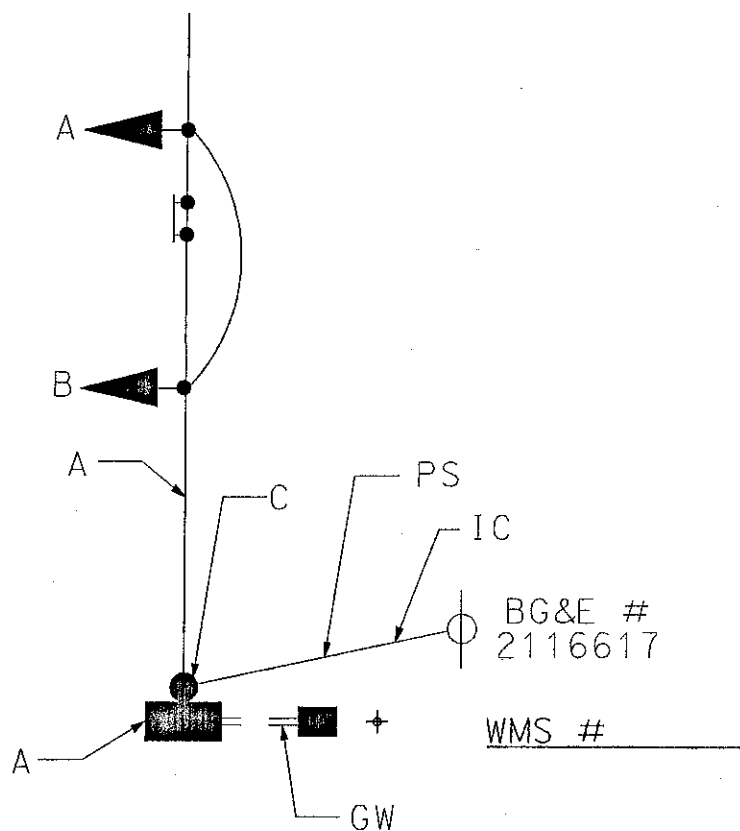
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
2002	1 CY	TEST PIT EXCAVATION
8000	2 EA	TO BE NEGOTIATED - LED FLASHING YELLOW SIGNAL HEADS- (12" LED BLACK FACED)
8020	1 EA	F & I CONTROL AND DISTRIBUTION EQUIPMENT FOR SIGNAL
8023	1 EA	F & I MAST ARM POLE & 60 FT MAST ARM
8031	2 EA	F & I PHOTOCELL
8047	1 EA	REMOVE & DISPOSE FOUND 12" BELOW GRADE
8048	1 EA	REMOVE & DISPOSE MAT & EQUIP PER ASSIGN
8053	10 LF	4" PVC SCH 80 CONDUIT-TRENCHED
8057	5 CY	F & I CONCRETE FOR SIGNAL FOUNDATION
8060	10 LF	F & I NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8070	45 LF	F & I ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG-THHN/THWN
8072	1 EA	F & I ELECTRICAL HANDHOLE
8075	50 SF	INSTALL SHEET ALUMINUM OVER HEAD SIGN (MAST ARM MOUNTED)
8080	1 EA	F & I GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8083	45 LF	F & I ELECTRICAL CABLE - 3 CONDUCTOR (NO 14 AWG)
8085	50 LF	F & I ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8092	1 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT
8115	55 LF	NEGOTIATED APPROVED - PULL BACK AND REROUTE INTERCONNECT CABLE


WIRING DIAGRAM FOR HIB

WIRING KEY

- A,B - 7 CONDUCTOR NO. 14 AWG
- GW - BARE COPPER WIRE
- PS - PROPOSED OR RELOCATED OVERHEAD SERVICE
- + - 3/4 IN. X 10 FT. GROUND ROD
- I/C - DISCONNECT EXISTING INTERCONNECT AND INSTALL TO NEW POLE AND CABINET
- C - 3-CONDUCTOR (NO.14 AWG) FOR PHOTOCELL



	1	2	3	4	5	6	7	8	9	10	11	12,13	
	(R)	(R)	(R)	(Y)	(Y)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
Phase 2 & 6	G	G	G	DARK	DARK	G	G	R	R	R	R	DW	←
2 & 6 Change	Y	Y	Y	FL/Y	FL/Y	Y	Y	R	R	R	R	DW	→
Phase 4 & 8	R	R	R	FL/Y	FL/Y	R	R	G	G	G	G	DW	↓
4 & 8 Change	R	R	R	FL/Y	FL/Y	R	R	Y	Y	Y	Y	DW	↑
04 & 8 ALT	R	R	R	FL/Y	FL/Y	R	R	G	G	G	G	WK	↕
PED CLEAR	R	R	R	FL/Y	FL/Y	R	R	G	G	G	G	FL/DW	↕
04 & 8 ALT Change	R	R	R	FL/Y	FL/Y	R	R	Y	Y	Y	Y	DW	↕
Flashing	FL/Y	FL/Y	FL/Y	DARK	DARK	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	↕
Operation	FL/Y	FL/Y	FL/Y	DARK	DARK	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	↕



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 140 (REISTERSTOWN ROAD) AT  
NORTH OF ENCHANTED HILLS ROAD/RITTERS LANE

DRAWN BY: G. PANCHOLI	F.A.P. NO. N/A	TS NO. 169(E)	SHEET NO. 2 OF 2
CHECKED BY: D. DODA	S.H.A. NO. 2471-155/85	T.I.M.S. NO. F388	
SCALE: 1" = 20'	COUNTY: BALTIMORE	LOG MILE: 03014006.23	
DATE: OCT. 21, 2002			